

# PROJECT 10073 RECORD CARD

1. DATE <u>Mid December 1958</u>	2. LOCATION <u>Approx 3 Mi S of Van Leer</u>		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical  <input checked="" type="checkbox"/> Other <u>(Hox)</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local <u>early evening</u> GMT _____	4. TYPE OF OBSERVATION <u>Tennessee</u> <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar		
5. PHOTOS <input type="checkbox"/> Yes <u>Physical</u> <input type="checkbox"/> No <u>Specimen</u>	6. SOURCE <u>Civilian</u>		
7. LENGTH OF OBSERVATION <u>N/A</u>	8. NUMBER OF OBJECTS <u>N/A</u>	9. COURSE <u>N/A</u>	
10. BRIEF SUMMARY OF SIGHTING Honeycombed material in several pieces, brownish-black, observed very high directly overhead, fell almost straight down & was recovered by observers.			11. COMMENTS The specimen was analyzed by materials lab, WADC, & was found to be partially oxidized or burned sugar.

ATIC FORM 329 (REV 26 SEP 52)

Director  
Aerospace Studies Inst  
ATTN: Archives Branch  
Maxwell AFB, Alabama

RETURN TO:

K243.6012-1  
Dec 1958



Headquarters  
839TH AIR DIVISION  
United States Air Force  
Sewart Air Force Base, Tennessee

DO

12 JAN 1959

SUBJECT: Report of Unidentified Flying Object (UFO)

TO: Commander  
Air Technical Intelligence Center  
Wright-Patterson Air Force Base  
Dayton, Ohio

In accordance with AFR 200-2, dated 2 February 1958, Report of Unidentified Flying Object is forwarded herewith for evaluation and necessary action.

FOR THE COMMANDER:

1 Incl  
AF Fm 112 & 112a  
(5 cys)

*Ben L Steele*  
BEN L. STEELE  
1st Lt, USAF  
Asst Dir of Adm

SMC

1003518



UNCLASSIFIED

(CLASSIFICATION)

(SECURITY INFORMATION when filled in)

COUNTRY OF ORIGIN Zone of Interior		REPORT NO.	(Leave blank)
<b>AIR INTELLIGENCE INFORMATION REPORT</b>			
AREA REPORT CONCERNS West Tennessee			
AGENCY OF ORIGIN 839th Air Division Sewart Air Force Base, Tennessee		DATE OF REPORT 9 January 1959	
SOURCE OF INFORMATION Civilian		DATE OF INFORMATION 30 December 1958	
PREPARING OFFICER Major Virgil I. Lanning		EVALUATION	
REFERENCES (Control number, directive, previous report, etc., as applicable)  IAW AFR 200-2, dtd 2 February 1958			
SUBJECT Recovery of Astronomical Material of Unknown Substance			
SUMMARY (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclosures at lower left. Begin text of report on AF Form 112a.) IAW Requirement of Paragraph 15, AFR 200-2:			
<p>a. (1) Honeycombed.  (2) Largest portion about the size of a baseball.  (3) Brownish-black.  (4) One large and several smaller pieces.  (5) Appears honeycombed.  (6) Somewhat of an odorless plastic like material.  (7) N/A  (8) None.  (9) None.</p> <p>b. (1) A bright glow which was observed high in the sky caused by intense burning.  (2) Very high and directly overhead.  (3) Object fell earthward and was recovered by observers.  (4) Earthward almost straight down.  (5) N/A  (6) Estimate unknown.</p> <p>c. (1) Ground-visual.  (2) No optical aids employed.  (3) N/A</p> <p>d. (1) Unknown.  (2) Night.</p> <p>e. (1) Approximately three (3) miles south of Vanleer, Dickson County, Tenn.  Coordinates 37°27'N - 36°12'W.</p> <p>f. (1) Civilian - Mr. A [REDACTED], age 74 and wife, [REDACTED], Vanleer, Dickson County, Tennessee.</p> <p>g. (1) Unknown.  (2) INCL. Not available due to uncertain date of incident.</p>			
DISTRIBUTION BY ORIGINATOR			
<p><b>WARNING:</b> This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U. S. C., Section 793 and 794. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law. It may not be reproduced in whole or in part, by other than United States Air Force Agencies, except by permission of the Director of Intelligence, USAF.</p>			

AF FORM 112  
1 OCT 52REPLACES AF FORM 112-PART I,  
1 JUN 48, WHICH MAY BE USED.

CLASSIFICATION

(SECURITY INFORMATION when filled in)

16-55509-1 U. S. GOVERNMENT PRINTING OFFICE



UNCLASSIFIED  
(CLASSIFICATION)

## AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency) 839th Air Division Sewart Air Force Base, Tennessee	REPORT NO.	PAGE 2 OF 2 PAGES
<p>(3) Unknown. (4) Unknown. (5) Unknown. (6) Unknown.</p> <p>h. None known i. None j. None known k. Preparing Officer's Position Title - Air Division Operations &amp; Training Officer. Comments - On 30 December 1958 the Air Provost Marshal received a telephone call from a Mr. [REDACTED], [REDACTED], Nashville, Tennessee reporting the possession of the above mentioned matter. Two (2) Air Policemen were dispatched to the above cited residence to receive the material. Upon the delivery of the material to the base, the preparing officer was contacted at which time a telephone conversation was established with Mr. [REDACTED]. Mr. [REDACTED] stated that subject material had been recovered on the farm of his parents, Mr. and Mrs. [REDACTED], [REDACTED], Vanleer, Dickson County, Tennessee approximately the middle of December 1958 and had been sighted by them during the early evening hours. It was observed, at first, to be high in the sky descending rapidly and burning intensely. As it descended its rate of fall decreased until near the earth it appeared as a floating object. This could account for the decreasing density of the substance which apparently was rather heavy upon initial observation. Recovered material is very light and porous.</p> <p>l. Subject material is in security at Sewart Air Force Base, Tennessee awaiting disposition instructions.</p>		

NOTE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U. S. C. - 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. IT MAY NOT BE REPRODUCED IN WHOLE OR IN PART, BY OTHER THAN UNITED STATES AIR FORCE AGENCIES, EXCEPT BY PERMISSION OF THE DIRECTOR OF INTELLIGENCE, USAF.



## REVISED ESTIMATED DATE OF COMPLETION OF SUBORDER

TO: WORTO-2 P  
ATIC-444 (IN TURN)  
ATTN: Maj. R. Friend

FROM: WCLTYA

DATE: 27 Mar 59

This Laboratory finds it necessary to extend the time required to complete the following suborder dated 28 Jan 59, which was received from your organization.

## WORK REQUESTED

Determine nature of material for use in analyzing U.F.O. Case.

WORK CONTROL NO.  
Y-13

ORIGINAL EST COMPLETION DATE  
31 Mar 59

REVISED EST COMPLETION DATE  
6 April 1959

PROJECT ENGINEER Miss M. R. Ryan

TELEPHONE EXT.  
26180

## THIS EXTENSION IS A RESULT OF:

- ( ) DELAY IN RECEIVING SAMPLES OR INSTRUCTIONS FROM YOUR ORGANIZATION.
- ( ) HIGHER PRIORITY WORK REQUIREMENTS TAKING PRECEDENCE.
- ( ) EMERGENCY PERSONNEL FACTORS (Sickness, Transfer, Etc.)
- ( ) FABRICATION OF SPECIAL EQUIPMENT.
- ( ) EQUIPMENT FAILURES.
- ( ) REPORT IN PREPARATION.
- ( ) OTHER (Specify) Project Engineer on leave.

## REMARKS:

SIGNATURE: *JMB*

WADC-O Form 184  
(27 Jun 55)

W. STANTON  
Staff Assistant  
Research & Technical  
Development Branch  
Operations Office  
Materials Laboratory



## SUBORDER

(See WADCR 83-16)

1. TO (Supporting Orgn) WCLTYA		2. DATE 28 Jan 59		3. FOR SERVICE IN SUPPORT OF: SYSTEM NO.		4. FILE OR LEDGER NO. INITIATING ORGN	
5. DATE COMPLETION REQ		6. PRIORITY		PROJECT NO. #5741		SUPPORTING ORGN	
7. SECURITY CLASSIFICATION OF WORK REQUESTED N/R		8. PRECEDENCE RATING		TASK NO.			
9. A/C TYPE, MODEL AND SERIAL NO.				TECH GROUPING		OTHER	
WADC FORM 55 <input type="checkbox"/> HAS <input type="checkbox"/> HAS NOT BEEN INITIATED.				TITLE Project Blue Book			
10. DESCRIPTION OF WORK 1. Determine nature of material for use in analyzing U. F. O. case. m P-5117 (69216)							
CONTINUED ON REVERSE SIDE <input type="checkbox"/>							
FOR USE OF RESPONSIBLE ORGANIZATION							
11. INITIATOR Robert J. Fernald May ATIL ORGN CODE AFM 145 EXT 69216		12. SECTION CHIEF ORGN CODE EXT		13. CHIEF (Responsible Orgn or Rep)			
FOR USE OF SUPPORTING ORGANIZATION							
14. ESTIMATED COMPLETION DATE 31 Mar 59 MAN-HOURS 20		15. PROJECT ENGINEER OR PLANNER M. RYAN WCLTYA ORGN CODE EXT 26180		16. CHIEF (Supporting Orgn or Rep) F. F. BENTLEY Chief, Analytical Section Materials Physics Branch Materials Laboratory			
CLOSING ACTION							
17. REASON: <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED		20. CHIEF (Supporting Orgn or Rep)		21. CHIEF (Responsible Orgn or Rep) JAN 1959			
18. DATE COMPL		19. M/HRS EXP					



WRIGHT AIR DEVELOPMENT CENTER  
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

This report is not to be  
used in whole or in part  
for advertising or sales  
promotion purposes.

DIRECTORATE OF LABORATORIES

Materials

LABORATORY

EVALUATION REPORT

PROJECT BLUE BOOK

REPORT NR: WCLTY-59-30

DATE: 6 April 1959

PROJECT NR: 5771

TYPE EVALUATION:

MANUFACTURER:

SPEC NR:

SUBMITTED BY: ATIC-4EM  
ATTN: Maj. R. Friend

ITEM SERIAL NR:

I. PURPOSE:

Determine nature of material for use in analyzing U.F.O. Case.

II. FACTUAL DATA:

1. A dark brown amorphous material was submitted and assigned Materials Physics Branch Serial No. 5117.
2. The solubility of the material was examined. It was found to be insoluble in the usual organic solvents (chloroform, ether, benzene, etc). The material was soluble in water and methanol and formed a syrup.
3. Infrared spectra of the methanol extract and of a pyrolozate of the sample were obtained. The spectra were compared with a spectrum of a pyrolozate of sucrose and found to be similar. The submitted sample appears, therefore, to be a sugar.
4. To confirm this, a small quantity of the sample was dissolved in ethanol and some 2,4 dinitrophenylhydrazine reagent added. A crystalline precipitate formed on standing.
5. A water solution of the submitted sample was found to readily reduce Fehling's solution. If the sample was pure sucrose, it would not reduce Fehling's solution, but in the partially oxidized state of the sample, some hydrolysis products would be present.
6. An emission spectra of the submitted sample shows between 0.1 to 1% silicon plus a trace of magnesium, aluminum, iron and calcium.



### III. CONCLUSIONS:

The submitted sample MP 5117 appears to be a partially oxidized or burned sugar. The results of the tests run on it indicate it is probably a mixture of mono and disaccharides.

### IV. RECOMMENDATIONS:

None, data merely submitted.

COORDINATED BY:

*James T. Thompson*  
JAMES T. THOMPSON, 1/LT, USAF, WCLTYA  
*Freeman F. Bentley*  
FREEMAN F. BENTLEY, WCLTYA

PREPARED BY:

*M. T. Ryan*  
MARY T. RYAN, WCLTYA

### PUBLICATION REVIEW

This report has been reviewed and is approved.

### DISTRIBUTION:

ATIC-4E4

ATTN: Maj. R. Friend

WCLTYA

ATTN: 

*John A. King*  
JOHN A. KING  
Capt., USAF  
Asst. Chief, Materials Physics  
Branch  
Materials Laboratory